



U.S. Army Installation Management Command Centralized Geospatial Data Collection Effort Update

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Agenda

- Overview of CGDCE
- Current status and lessons learned
- Future plans





Army Installation Geospatial Information & Services

- Army IGI&S supports many missions including emergency response planning, force protection, training support, facilities management, and natural resources conservation
- To support these missions, installation geospatial information must be accurate and must meet Federal, DoD, and Army spatial data standards



Army IGI&S Proponency, Common Installation Picture, and Quality Assurance Plan Memo 15 Aug 08

- Dual signature (ACSIM and Deputy Chief of Staff, G-3/5/7)
- Assigns a HQ level and installation level proponent to geospatial data layers; proponent responsible for creation and maintenance of geospatial data
- Requires all Army installations to maintain geospatial CIP data and metadata for their sites
- HQ data proponents are responsible for developing and maintaining QAPs





Centralized Geospatial Data Collection Effort

- A way for HQDA, regions, and installations to fund the central collection of geospatial data
- Enables coordination of multiple efforts, reduces project management costs, and minimizes impacts on the installations
- End state of a centralized data collection effort is standardized installation geospatial data that:
 - meet proponent requirements
 - are approved and validated by the Garrisons
 - become part of the Garrison's database of record and will be sustained and maintained by the Garrison in accordance with standards and policy





First Cycle of CGDCE

- Paid for with FY08 funds
- 13 environmental data layers at 45 installations

1	FAUNA CRITICAL HABITAT
2	FAUNA THREATENED AND ENDANGERED SPECIES
3	FLORA CRITICAL HABITAT
4	FLORA THREATENED AND ENDANGERED SPECIES
5	WETLANDS
6	LAKES, RESERVOIRS, PONDS
7 & 8	RIVERS & STREAMS
	DECEDICATED ADOLIATOR OCICAL
9	RESTRICTED ARCHAEOLOGICAL SITES
10	
	SITES
10	SITES VEGETATION COVER





Installation List

Northeast Region

ABERDEEN PROVING GROUND
ABERDEEN PROVING GROUND
FORT A P HILL
FORT BELVOIR
FORT DRUM
FORT EUSTIS
FORT GEORGE G MEADE
FORT LEE
FORT MONMOUTH
FORT MONROE
PICATINNY ARSENAL
WEST POINT MILITARY RESERVATION
FORT LEONARD WOOD
ROCK ISLAND ARSENAL
FORT MCCOY
FORT DIX

Southeast Region

FORT BENNING	
FORT BRAGG	
FORT CAMPBELL	
FORT GORDON	
FORT JACKSON	
FORT KNOX	
FORT MCPHERSON	
FORT RUCKER	
FORT STEWART	
REDSTONE ARSENAL	
FORT POLK	

Pacific Region

FORT GREELY
FORT RICHARDSON
FORT SHAFTER
FORT WAINWRIGHT
SCHOFIELD BARRACKS

West Region

DUGWAY PROVING GROUND
FORT CARSON
FORT LEAVENWORTH
FORT LEWIS
FORT RILEY
FORT BLISS
FORT HOOD
FORT HUACHUCA
FORT SAM HOUSTON
FORT SILL
NATIONAL TRAINING CENTER AND FORT IRWIN
WHITE SANDS MISSLE RANGE
YUMA PROVING GROUND
COMBAT SUPPORT TRAINING CENTER AND CAMP PARKS





Process and Coordination

- Execution Order (EXORD) 08-024, IMCOM Centralized Geospatial Data Collection defines process, roles and responsibilities of all parties involved
- Fragment Order (FRAGO) 01 lays out installations and data layers
- USAEC coordinates with IMCOM Region IGI&S Coordinators (Plans) to reach installations
- Main POC at installation is IGI&S Coordinator, typically found in the Plans, Analysis, and Integration Office



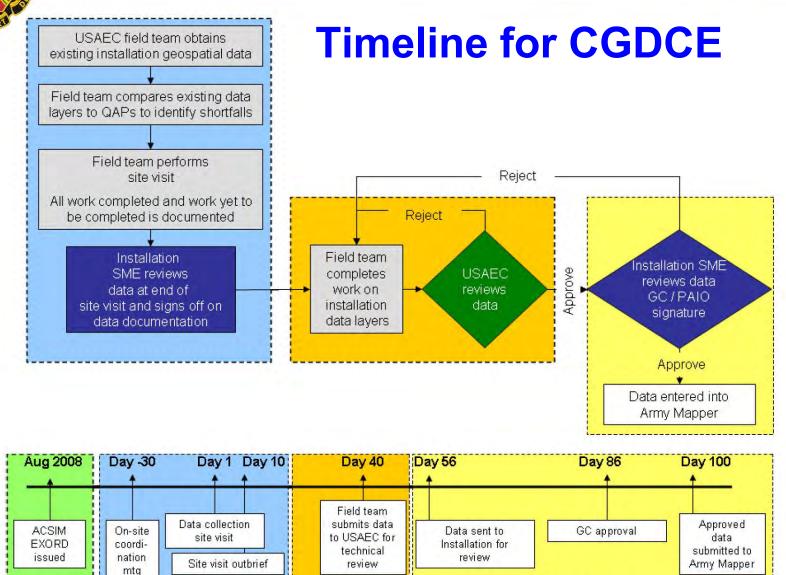


Other Key Players

- Data steward
 - The subject matter expert for a data layer
 - Is responsible for ensuring the quality and availability of data acquired, developed, and maintained for the layer
- Data custodian
 - The person that creates and maintains geospatial data; this
 person is likely to be a CADD or GIS professional that may be
 located in the same office as the data steward
- Garrison Commander
 - Signature authority for all garrison datasets

CGDCE Update





PHASE II

PHASE I

PHASE IV

PHASE III





Sites Visited as of May

Northeast Region

ABERDEEN PROVING GROUND
FORT A P HILL
FORT BELVOIR
FORT DRUM
FORT EUSTIS
FORT GEORGE G MEADE
FORT LEE
FORT MONMOUTH
FORT MONROE
PICATINNY ARSENAL
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CGDCE Stats

- Total number of on-site coordination meetings performed: 19
- Total number of data collection site visits performed: 4
- Total number of installation datasets reviewed by USAEC: 1
- Total number of installation datasets validated by installation staff: 0
- Total number of installation datasets loaded into Army Mapper: 0





Preliminary Findings

- People
 - IGI&S staff levels vary across Army installations
 - Most environmental GIS staff are civilians
 - GIS is not their primary responsibility
- Geospatial Data
 - 62% of geospatial data layers were not previously in Army Mapper
 - 28 % of geospatial data evaluated in first cycle do not meet Federal, DoD, or Army standards





Lessons Learned

- Communication is critical at all levels
- Installations welcome the CGDCE once they understand how it benefits their IGI&S program
- Every installation has required some level of work to bring data to standard (SDSFIE and/or Army IGI&S metadata standard)
- Installations are hesitant to release T&E species data and cultural resources data





Future Plans

- Additional centralized data collection efforts to be executed through EXORD / FRAGO
- Buildings and roads data collection to take place at 15 installations (FRAGO 02)
- Encroachment data collection and analysis an FY09 UFR





Questions

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